

Listing of Claims

The listing of claims set forth below will replace all prior versions and listings of claims in the application.

Please amend the claims as follows:

1. (Previously presented) A method of determining biliverdin concentration in a sample from an avian or reptilian species comprising: a) contacting the sample with biliverdin reductase; b) measuring a change in absorbance at about 325 to about 750 nm; and c) determining biliverdin concentration by comparing the absorbance value obtained in step b) with absorbance values on a standard concentration curve.

2. (Previously presented) A method of measuring increased biliverdin concentration in a sample from an avian or reptilian species comprising: a) contacting the sample with biliverdin reductase; and b) measuring a change in absorbance at about 325 nm to about 750 nm, wherein a change in absorbance as compared to a control sample indicates increased biliverdin concentration in the sample.

3. (Previously presented) A method of measuring above-normal levels of biliverdin concentration in a sample from an avian or reptilian species comprising: a) contacting the sample with biliverdin reductase; and b) measuring a change in absorbance at about 325 nm to about 750 nm, wherein a change in absorbance as compared to values obtained from a control sample indicates an above-normal biliverdin concentration in the sample.

4. - 6. (Cancelled)

7. (Withdrawn) A kit for measuring biliverdin concentration in a sample comprising:
a) biliverdin reductase;

8. (Withdrawn) The kit of claim 7, further comprising a phosphate buffer.

9. (Withdrawn) The kit of claim 7, further comprising NADH.
10. (Withdrawn) The kit of claim 7, further comprising biliverdin.